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(54) Title: PROPYLENE-STYRENE COPOLYMERISATION PROCESS

(57) Abstract: Provided is a method for the production of a copolymer of styrene and propylene, which method comprises copolymerising styrene and propylene in the presence of a metallocene catalyst, wherein the metallocene catalyst comprises a metallocene having the either formula (I): $R''(CpRm)(FluR'n)MQ_2$ wherein Cp comprises a cyclopentadienyl ring; Flu comprises a fluorenyl ring; R'' comprises a structural bridge imparting stereorrigidity to the component; each R is the same or different and is an organic group; m is an integer of from 0-4; each R' is the same or different and is an organic group; n is an integer of from 0-8; M is a metal atom from group IVB of the Periodic Table or is vanadium; and each Q is a hydrocarbon having from 1-20 carbon atoms or is a halogen; or formula (II): $R''(FluR'n)XR^5MQ_p$ (II) wherein R(FluR'n), R'', M and Q are as defined here-above; R⁵ is hydrogen or a hydrocarbyl group having from 1-20 carbon atoms; X is a heteroatom from group 15 or 16 of the Periodic Table.



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